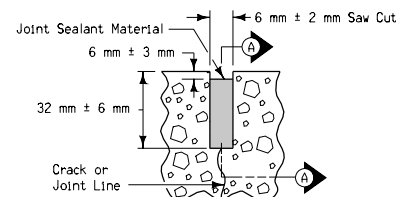


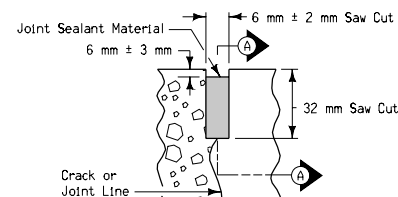
**DETAIL "A"**

(Sawcut formed by conventional concrete sawing equipment)

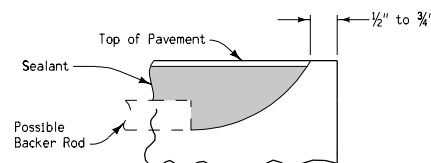


**DETAIL "B"**

(Sawcut formed by approved early concrete sawing equipment)



**DETAIL "C"**



**SECTION A-A**  
**DETAIL AT EDGE OF PAVEMENT**

- ① Free moving ends of dowel support assembly shall be placed alternately across joints.
- ② Refer to Bar Size Table.
- ③ Depth of sawcut shall be T/3, except 'C' joint shall be T/4.
- ④ 'DW' joint shall be located at a midspan location between future 'C' or 'CD' joints. It shall be no closer than 1.5 meters to a 'C' or 'CD' joint.
- ⑤ Bars in Transverse Joints shall be placed according to Standard Road Plan RH-58.
- ⑥ Joints shall be sealed according to the Standard and Supplemental Specifications on "Sealing Joints".
- ⑦ Edge with 5 millimeter tool for length of joint indicated if formed; edging not required when cut with diamond blade saw. Remove header block and board when second slab is poured.
- ⑧ Placement of dowels or tie bars shall be in accordance with the current Standard Specification on "Reinforcement". The method of anchoring bars into existing pavement shall be as set forth in appropriate Materials Instructional Memorandums.
- ⑨ When tying into old pavement, T represents the depth of sound Portland Cement Concrete.
- ⑩ Unless otherwise specified, transverse contraction joints in mainline pavement shall be 'CD' when T is greater or equal to 200 millimeters. 'C' when T is less than 200 millimeters.
- ⑪ 'RT' joint may be used in lieu of 'DW' joint at the end of the days work. Any pavement damaged due to the drilling shall be removed at the contractor's expense.

BAR SIZE TABLE			
T	< 200 mm	≥ 200 mm but < 250 mm	≥ 250 mm
Dowel Size	20	30	35
Tie Bar Size	#20	#30	#35

All dimensions given in millimeters unless noted.

<b>M</b> <b>METRIC VERSION</b>	<b>Iowa Department of Transportation</b> Highway Division	
	<b>STANDARD ROAD PLAN RH-50</b>	
	REVISION: Modify Detail 'B'. Refer Note 5 to Standard Road Plan RH-58. Modify Section A-A.	REVISION NO. 13
	<i>William J. Stem</i> APPROVED BY DESIGN METHODS ENGINEER	REVISION DATE 10-21-03
	<b>JOINTS</b> (TRANSVERSE CONTRACTION)	